CURB AND SIDEWALK STANDARDS

Section 1		· · · · · · · · · · · · · · · · · · ·		R/W		(DIMEN	SIONS	5
	A - SIDEWALK AREA	· ,벌	NOSING:	WIDTH	TYPE	Α	В	С	0
} }		766	All edges to be linished to o	80	GENERAL	15'	5'	5,	5'
	B - GRASS C - CONCRETE D - GR	ASS S	more than (1/4)		11	12'	3'-6"	5	3'∽€"
ĺ	CLASS AA CONCRETE	1 3	one guarter inch.	50'	PP .	10'	3'6"	5,	1'-6"
	V V VV V 1. 3/8" FALL PER FT. 1 V XIII)	- VI6'I		40'	29	8,	2'-0"	5'	1'-0"
щ		XZX .] _		30	*	6'	0.	5'-6"	6"
E	A Committee of the Comm	3:1	21.	20'	17	3'	0,	2'-6"	6"
PROPERTY	AGGREGATE BASE 3/4" COARSE GRADE	9 3 8							
96	NOTE: (NO SLAG) IN BUSINESS DISTRICT SIDEWALK	4							
86	SLAS SHALL EXTEND FROPERTY								
1,- 1	LINE TO CURB. CURB CLASS AA CONCE	RETE /							<u></u>

PERMITS:

- A. Warrant of Survey: A Warrant of Survey will be required to establish the proper line and grade of the curb to be installed.
- B. <u>Work Order:</u> A Work Order must be obtained prior to the start of any work in the public right of way within the City of Allentown.
- C. <u>Crossovers:</u> Application for Residential, Commercial or Industrial Crossovers must be obtained from the Bureau of Engineering prior to starting work.

ALL OF THE ABOVE PERMITS CAN BE OBTAINED FROM THE BUREAU OF ENGINEERING THIRD FLOOR, 641 SOUTH TENTH STREET, ALLENTOWN, PA. 18103.

CURB:

- A. <u>Forms:</u> Curb forms, preferably steel forms. Other material shall be smooth, free from warp and must be rigid enough to resist springing out of shape.
- B. <u>Dimensions:</u> Curb shall be 21 inches in depth, 6" at the top and 7-3/4" at the base.
- C. <u>Joints:</u> All curb shall be cut clear through so it consists of sections ten (10') feet in length.
- D. <u>Expansion Joints:</u>Expansion joints shall be placed at the ends of all radii, along all structures or as directed by the Engineer. Expansion shall be pre-molded bituminous material of at least 3/8" of an inch in thickness.

MATERIAL:

All concrete used for the construction of curb shall be Class AA Concrete and shall meet the PennDOT Specifications Form 408 and the latest revisions.

FINISH:

After concrete is placed into the forms it shall be puddled and spaded thoroughly so as to insure a proper mixture, eleiminating air pockets and creating uniform and smooth sides. Before the concrete has thoroughly set and while the concrete is still green the forms shall be removed. The face shall be checked for honeycomb or large air holes be removed. The face shall be checked for honeycomb or large air holes be removed. Areas affected shall be grouted in with a 50/50% (1/4" or larger). Areas affected shall be grouted in with a 50/50% mix of sand and cement and given a steel trawel finish. If the surface mix of sand and cement and given a steel trawel finish. If the surface is unsatisfactory, the entire top 8" of the face shall be hand rubbed. Plostering or the adding of water are not permitted to achieve the final finish unless authorized by the City Engineer.

CROSSOVERS: (Same as on Sidewalk).

INSPECTIONS: (Some as on Sidewolk).

STANDARDS CURB AND SIDEWALK

CITY OF ALLENTOWN, PA. DEPARTMENT OF PUBLIC WORKS

· · · · · · · · · · · · · · · · · · ·		NOTE:	R/W	T \ (D) [Į	<u> DIMEN</u>	ISIONS	3
A - SIDEWALK AREA	NOSING:	WIDTH	TYPE	Α	В	C	D	
B - GRASS C - CONCRETE	, D - GRASS	All edges to be finished to a radius of not	80'	GENERAL	15'	5'	5'	5'
	S CTORES	more than (1/4)	60'	н	12'	3'~6"	5'	3'6"
CLASS AA CONCRETE *X* FALL PER FT. *		one quarter inch.	50'	н	10'	3'-6"	5'	1'~6"
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	1 × X) (() × × × 10 1		40'	я	8'	2'-0"	5'	1'0"
The state of the s	F ,		30'	ж	6'	0,	5'6"	6*
- WARANAMA	YOUR ADADED ATT	21	20'	*	3'	0'	2'6"	6*
AGGREGATE BASE 3/4° COA	ARSE GRADED							
IN BUSINESS DISTRICT SIDEWALK								
E SLAB SHALL EXTEND FROM PROPERTY	ريي.	Ì						
LINE TO CURB. CURB CLAS	SS AA CONCRETE					***************************************		

*X = 3/8"/FT FOR REPLACEMENT SLABS IN EXISTING SIDEWALK. X = 1/4"/FT FOR NEW DEVELOPMENT SIDEWALK.

PERMITS:

Prior to the start of work, a WORK ORDER must be obtained from the Bureau of Engineering, authorizing the work to be performed.

SIDEWALK: A.

<u>Dimensions:</u> Sidewalk blocks shall have an area of 25 square feet (5'x5'). Slabs having an area of more than 100 square feet shall be reinforced with wire fabric.

Concrete Depth: The depth of the concrete slab can be one of the

Concrete Depth: the depth of the concrete side can be one of the three (3) approved types. They are:

1. Type #6: Six (6") inches of Class AA concrete on two (2") inches of 3/4" course graded stone bed on tamped earth.

2. Type #5: Five (5") inches of Class AA concrete on three (3") inches of 3/4" course graded stone bed on tamped earth.

3. Type #4: Four (4") inches of Class AA concrete on four (4") inches of 3/4" course graded stone bed on tamped earth.

- Slope: In general the pitch or slope of the sidewalk from the curb to the property line shall be three-eights (3/8") of an inch per foot ascending from the curb line. At intersecting streets, warping may be used to conform to the intersecting grades.
- D. <u>Expansion:</u> Expansion joints shall be placed at intersections and structures, or as directed by the Engineer. Expansion shall be premolded bituminous material of at least 3/8 of an inch in thickness.
- Finish: The concrete must be puddled for proper mixture and elimination of air pockets. The finished surface can either be a wooden float or a soft broom finish.

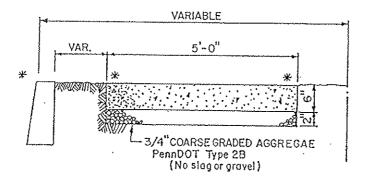
CROSSOVERS:

Applications for Residential, Commercial or Industrial Crossovers must be obtained from the Bureau of Engineering prior to starting work. (Refer to Crossovers Application for Specifications and Standards).

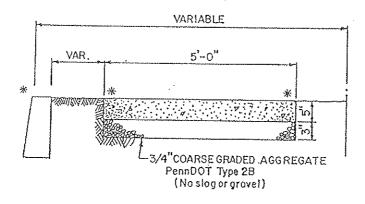
INSPECTION:

All work performed in the public right of way within the City of Allentown is subject to inspection by the Bureau of Engineering.
An inspection slip MUST BE OBTAINED prior to the placement of any concrete. The Bureau of Engineering will issue the necessary releases.
Call 437-7589 or 437-7596 for an inspector. Work performed without the necessary release will be subject to removal at the Contractor's expense.

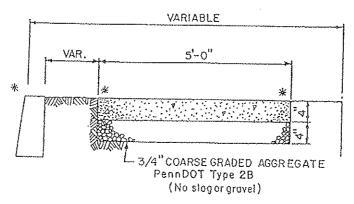
TYPE "6" (6" CONCRETE ON A "2" AGGREGATE BASE)



TYPE "5" (5" CONCRETE ON A "3" AGGREGATE BASE)



TYPE "4" (4" CONCRETE ON A "4" AGGREGATE BASE)



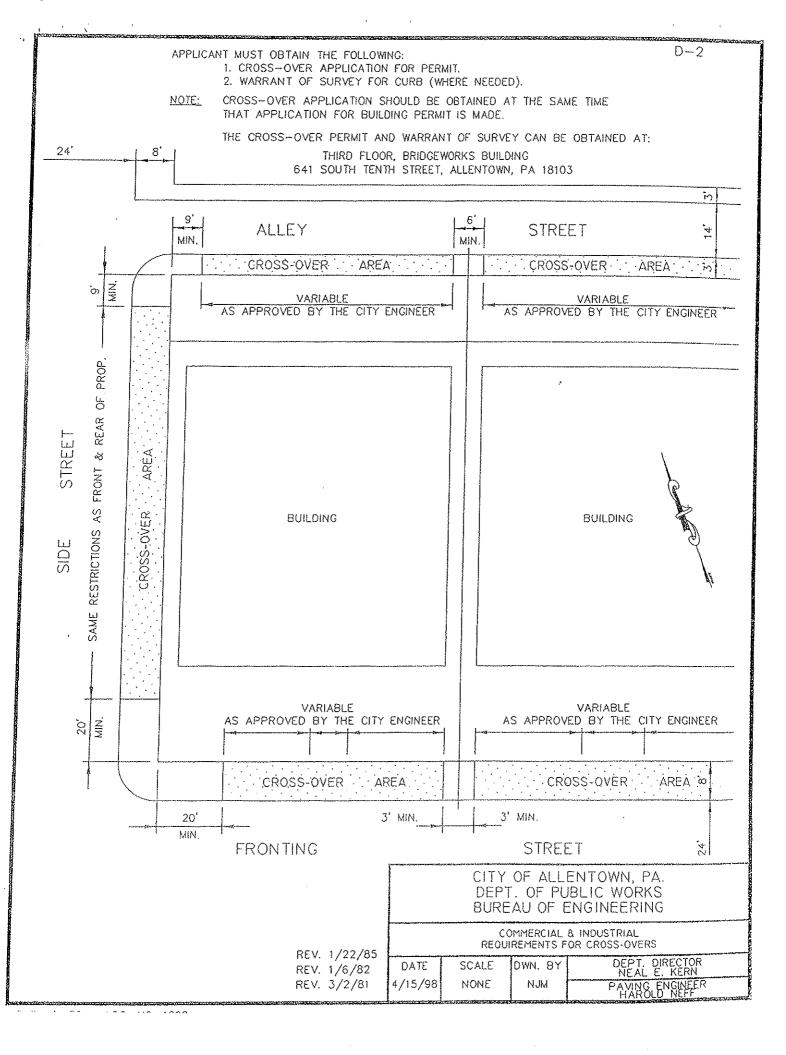
* NOTE: The NOSING on all edges shall be finished to a radius of not more than one-quarter (1/4) inch.

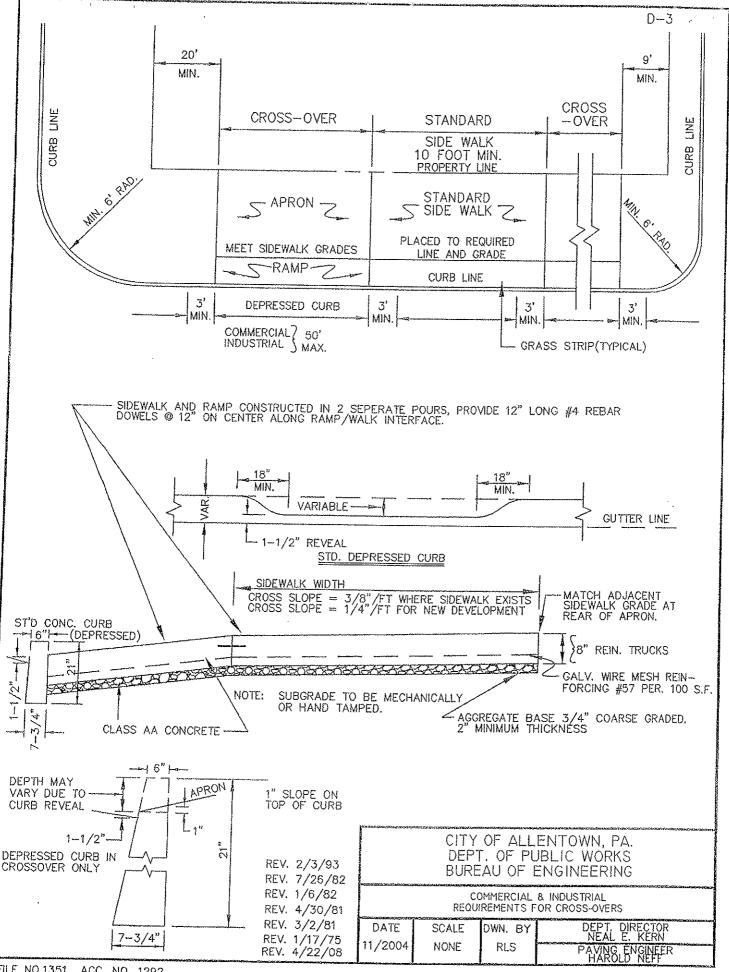
CITY OF ALLENTOWN, PA. DEPT. OF PUBLIC WORKS-ENGINEERING

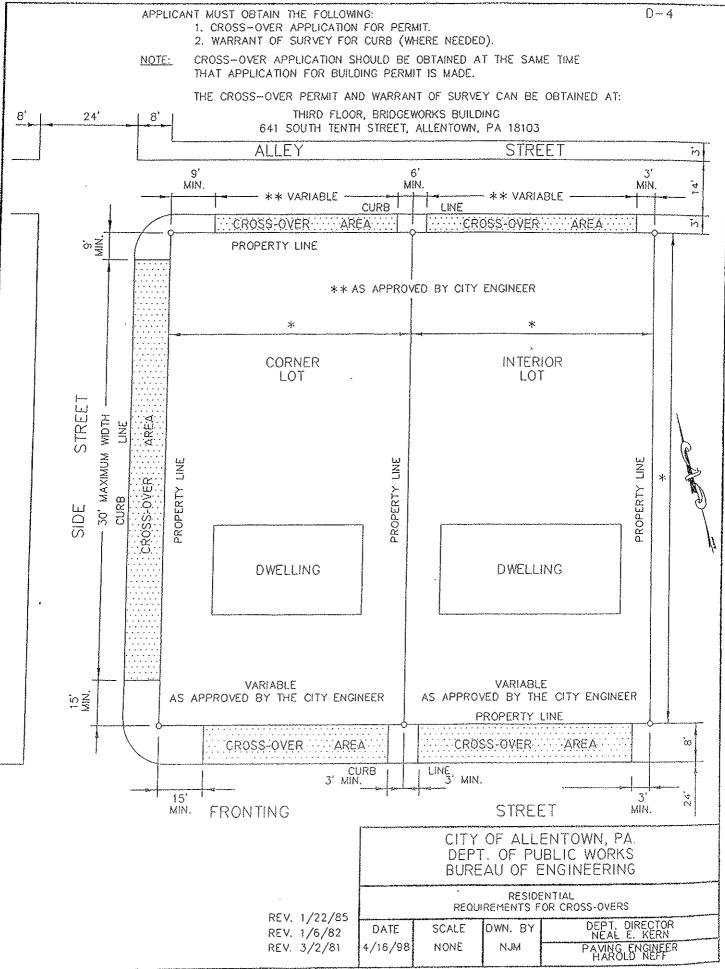
TYPICAL SECTIONS THREE VARIOUS TYPES CONCRETE SIDEWALK

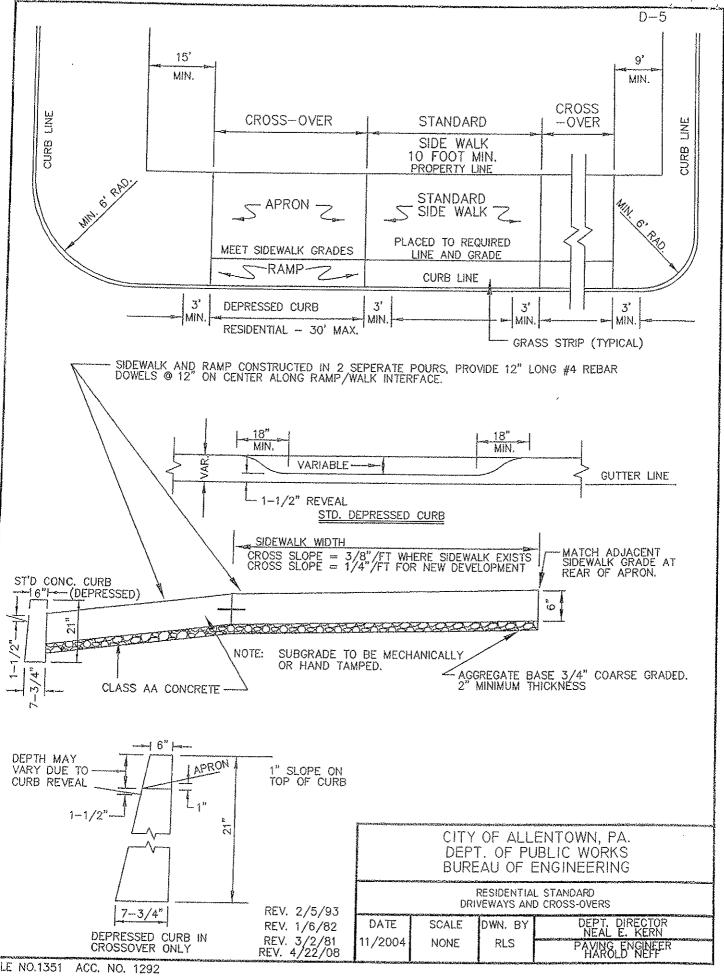
REV, 2/5/93 REV, 1/6/82 DATE SCALE
MAY '81 NO SCALE

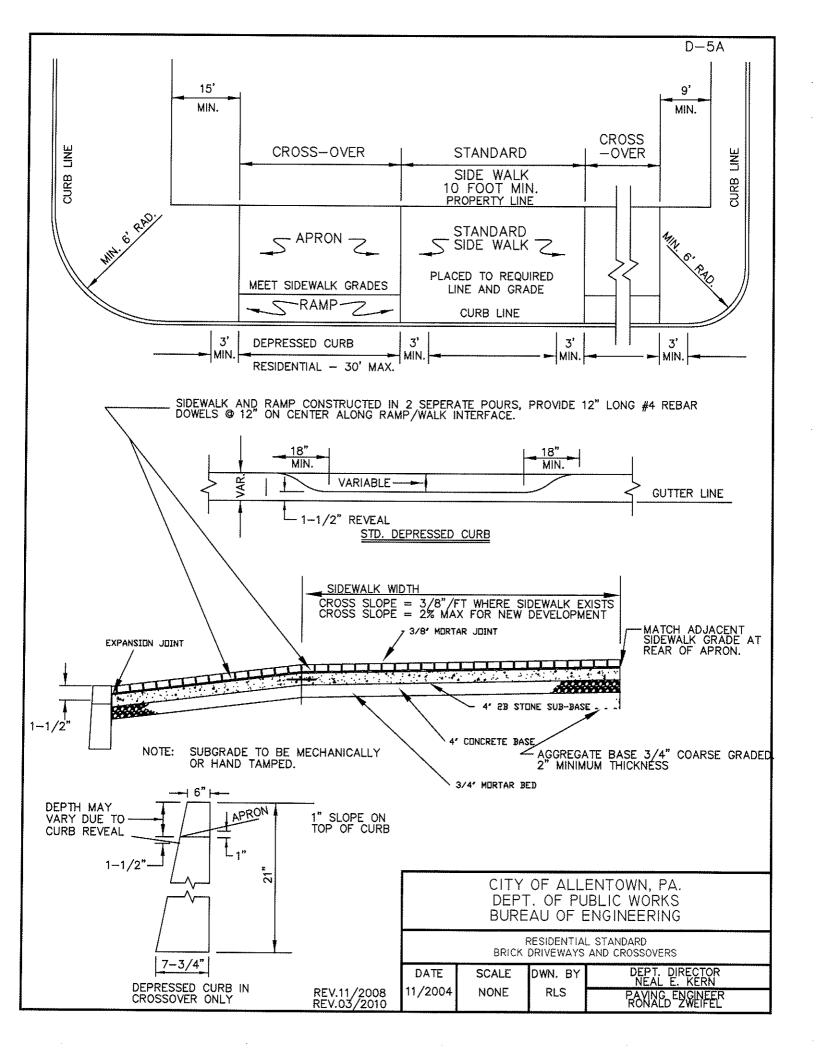
DEPT. DIR. & CITY ENG: NEAL E. KERN MANAGER OF ENG: RONALD CACIOLO

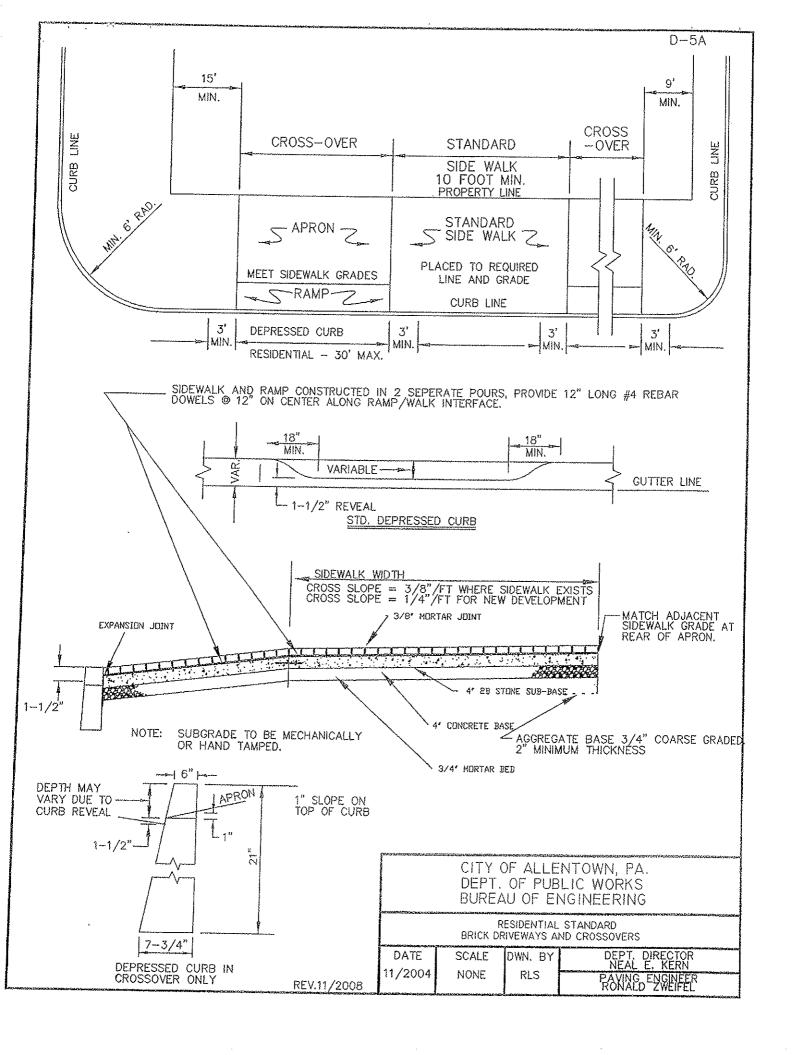












CITY OF ALLENTOWN, PA CROSSOVER APPLICATION

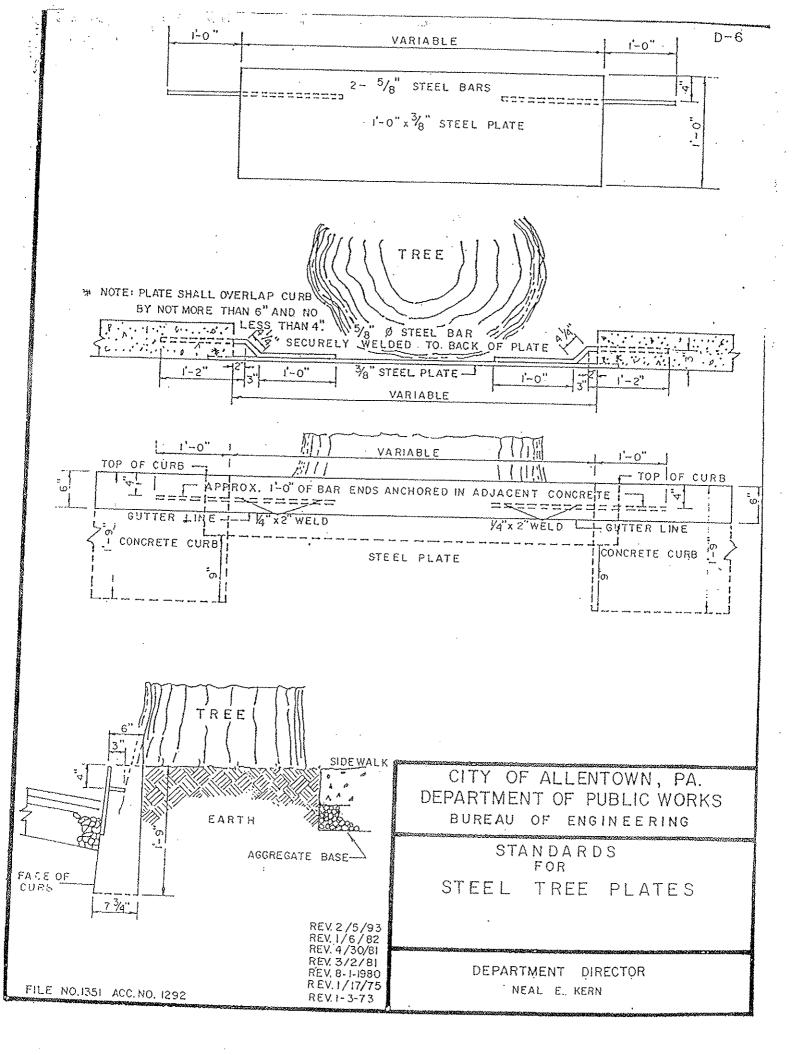
	WARRANT OF SURVI WORK ORDER NO. RESIDENTIAL CROSS COMMERCIAL CROSS	OVER FEE	
Dept. of Public Works CITY OF ALLENTOWN BRIDGEWORKS 641 SOUTH 10 TH STREET 3 RD F ALLENTOWN PA 18103-3173	L	Date	
			•
I hereby request permission	n to construct crosse	over(s) in the width of	feet to be
used as an entrance and ex			
CONTRACTOR		OWNER	
Name	·		Name
Address			Address
Phone			Phone
Signature_			
DRAW LOCATION OF PI	ROPOSED CROSSOVER (ON REVERSE SIDE	OF THIS FORM
approved:	•		
	Bureau of Engineer	ing .	
· ·			· ·
	Bureau of Traffic Planni	ng & Control	

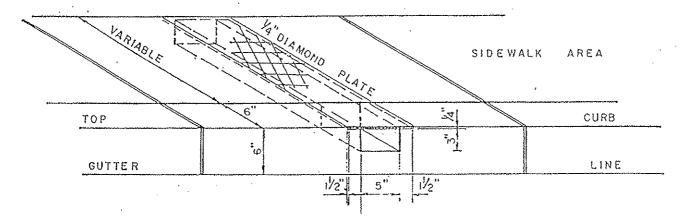
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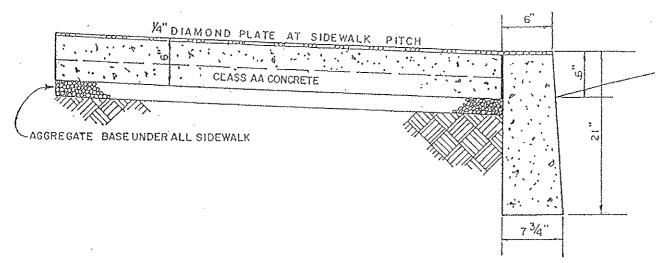
Date:	**	Work Order #	
CTTV	OF ALLENTO	WN DA	
Cit	Or ALLEITIO	min, ca	•
HANDIO	CAP RAMP API	PLICATION	
Department of Public Works			******
CITY OF ALLENTOWN BRIDGEWORKS 641 SOUTH 10 TH STREET 3 RD FL ALLENTOWN PA 18103-3173	·R		
Gentlemen:			
I hereby request permission to feet. Location: _			
W-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			*

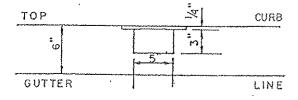
		Owner	Agent
		Mailing Addre	ss (owner)
		City, State and 2	ip Code
		Area Code - :	Phone Number
*** IF CONTAINED WITHI SURVEY WILL NOT BE RE		SECTION A WARRA	NT OF
DRAW LOCATION OF PROPO	OSED HANDIC	AP RAMP ON REVERS	SE SIDE
APPROVED:	·		
Bureau of Engineering	Date	•	
Traffic Engineer	Date		

Cura-----Guth SEEN SHOPMEN COM STORES LEGIS FROME PROPERTY LINE ... عمريت يتبي EUR PROPERTY LINE ≎ಬಿದ್ಲ⊸









CITY OF ALLENTOWN, PA.

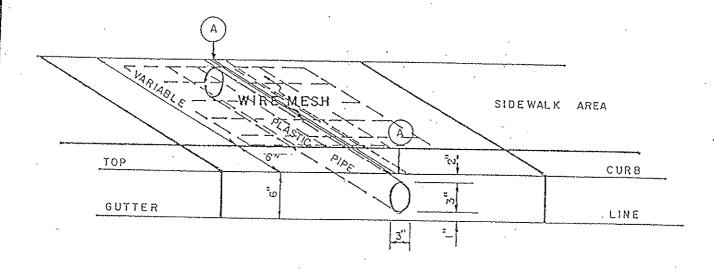
DEPARTMENT OF PUBLIC WORKS

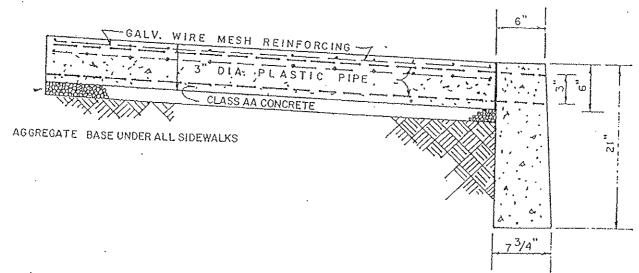
BUREAU OF ENGINEERING

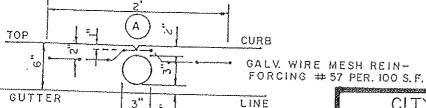
STANDARDS
FOR
DIAMOND PLATE COVERED DRAINAGE
IN
SIDEWALK AREA

DEPARTMENT DIRECTOR.
NEAL E. KERN

REV. 2/5/93 REV. 3/2/81







NOTE:



A FAKE JOINT SHALL BE MADE ALONG CENTER LINE OF PIPE FROM FACE OF CURB TO BACK EDGE OF SIDEWALK AND/OR BUILDING.

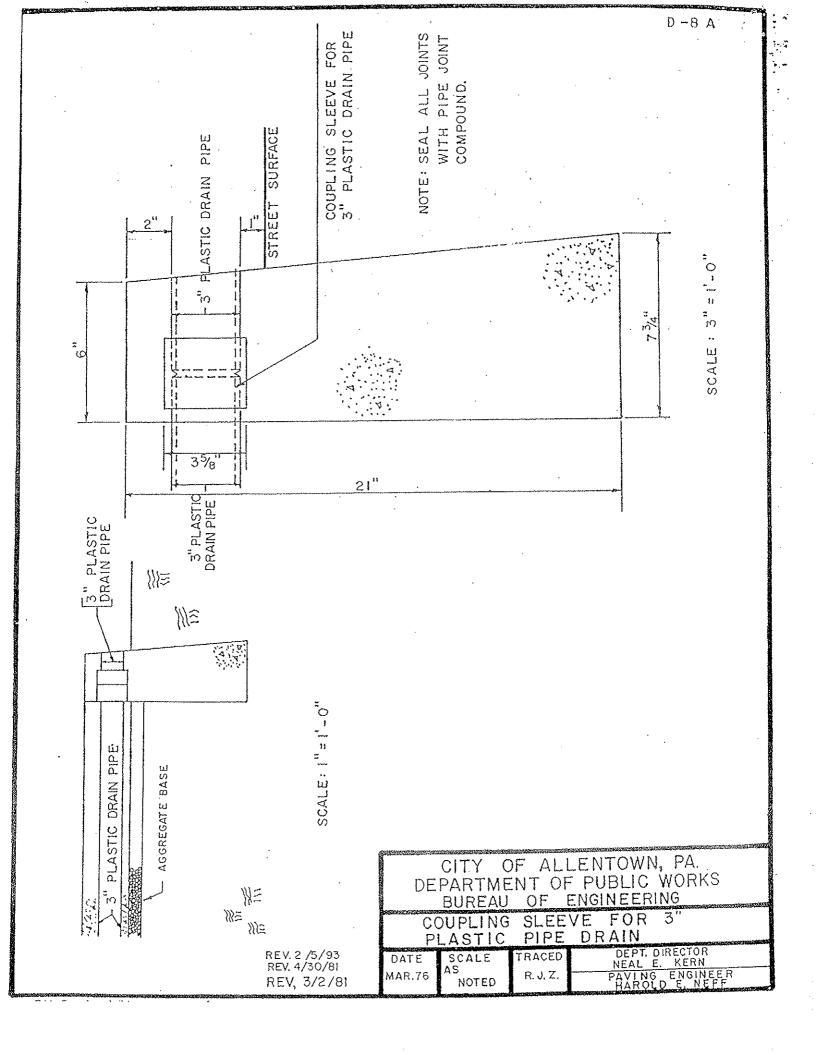
> REV. 2/5/93 REV. 3-2-81 REV. 1-17-75 REV. 1-3-73

CITY OF ALLENTOWN, PA.
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

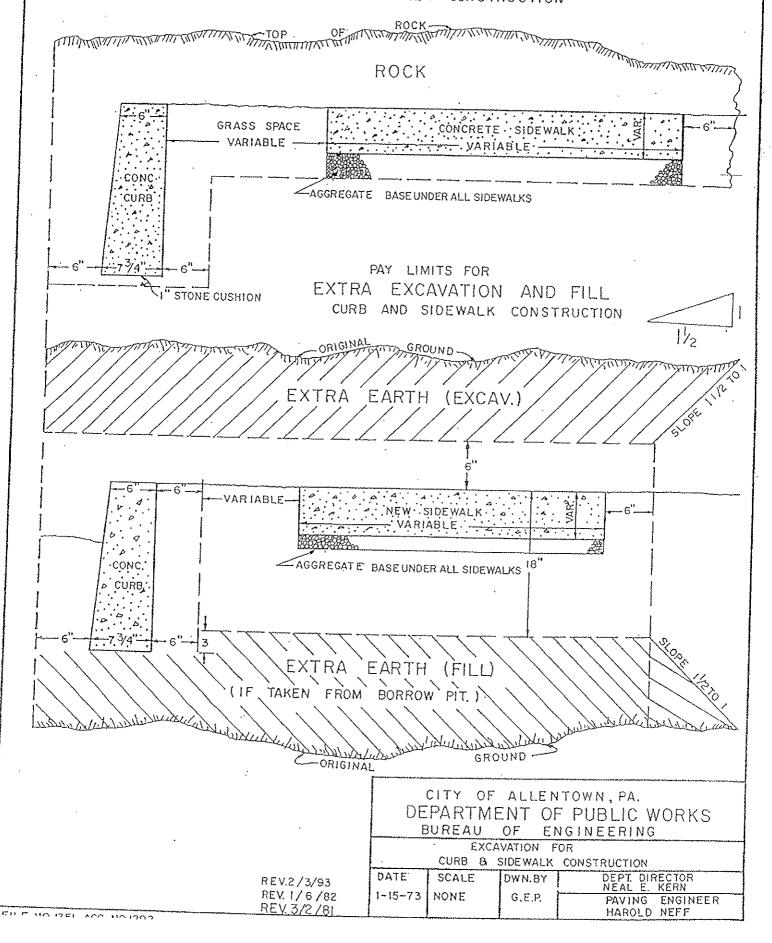
STANDARDS
FOR
3" PLASTIC PIPE DRAIN
IN
SIDEWALK AREA

DEPARTMENT DIRECTOR NEAL E. KERN

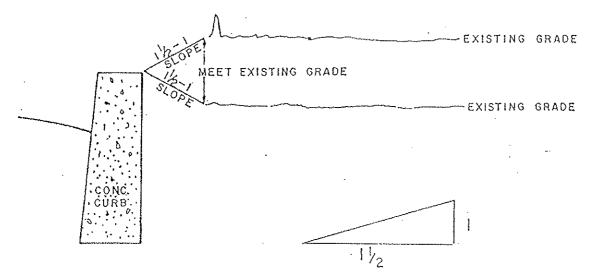
FILE NO.1351 ACC. NO.1292



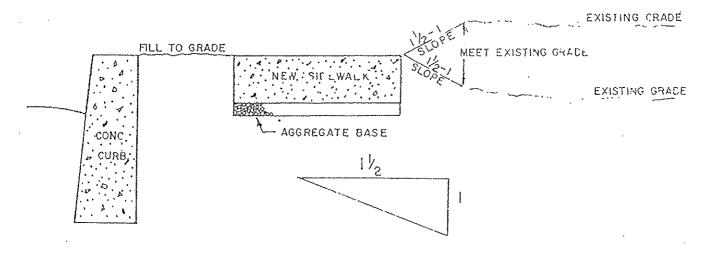
PLAN SHOWING PAY LIMITS FOR ROCK EXCAVATION CURB AND SIDEWALK CONSTRUCTION



FINISHED GRADING WHERE ONLY CURB IS TO BE INSTALLED



FINISHED GRADING WHERE CURB AND SIDEWALK ARE TO BE INSTALLED



NOTE:

THIS WORK SHALL BE DONE UNDER THE SUPERVISION OF THE ENGINEER OR HIS APPOINTED REPRESENTATIVE.

THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE OF THE CURB AND/OR SIDEWALK INSTALLATION. WHERE EXTENSIVE CUTTING OR FILLING IS REQUIRED.

CITY OF ALLENTOWN, PA.

DEPARTMENT OF PUBLIC WORKS

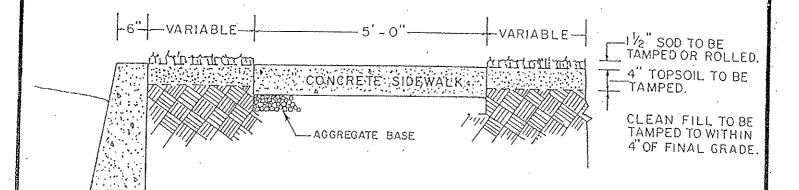
BUREAU OF ENGINEERING

TYPICAL SECTION
FINAL GRADING ON
CURB & SIDEWALK INSTALLATION
SCALE DWN. BY CEPT. DIRECTOR
NEALE. KERN

REV. 2/5/93 REV. 4/30/81 REV. 3/2/81

DATE SCALE DWN.BY 1-3-75 NONE R.J.Z.

NEAL E. KERN
PAVING ENGINEER
HAROLD NEFF



SOD: (CULTIVATED)

THE CONTRACTOR SHALL INSTALL SOD AS DIRECTED BY THE ENGINEER.

THE AREA TO BE SODDED, SHALL BE BACKFILLED AND TAMPED TO WITHIN 4" (INCHES) OF THE FINAL GRADE.

TOPSOIL (4" DEPTH) SHALL BE PLACED, TAMPED AND SHALL MEET THE EXISTING GRADES.

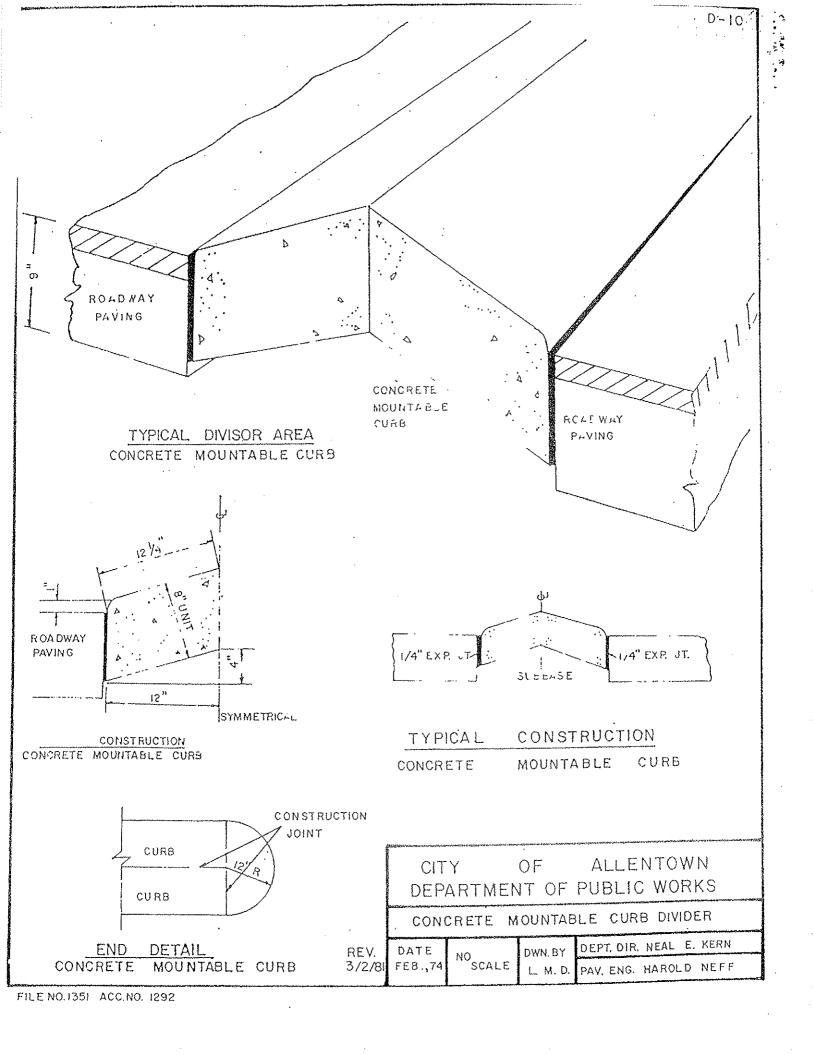
WHEN ALL PREPARATION WORK HAS BEEN COMPLETED, SOD SHALL BE PLACED AND TAMPED OR ROLLED LIGHTLY, TO SET THE SOD AND GIVE GOOD SOIL CONTACT.

YELLIBISHCE SOL JATCE BET SAH RANNO YERAFCHE THE LACE NEED AS BEEN PLACED, THE PROPERTY OF THE

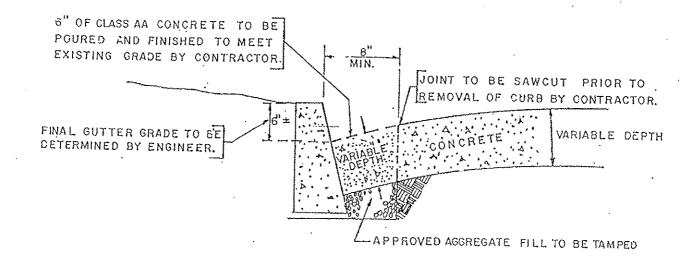
CITY OF ALLENTOWN, PA.
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

REV.2/5/93 REV.1/6/82 REV.5/1/81 REV.3/2/81 SODDING

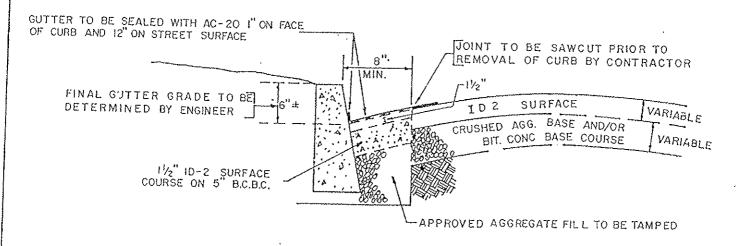
₽	CONTRACTOR OF THE PERSON OF TH	WATER THE PROPERTY OF THE PARTY	ONE A RESOLUTION DE STATEMENT	
ı	DATE	SCALE	DWN. BY	DEPT. DIRECTOR
1				NEAL E, KERN
I	1~17-78	иоие	R. J. Z.	PAVING ENGINEER
I				HAROLD NEFE



STREET RESTORATION OF CONCRETE STREETS



STREET RESTORATION OF BITUMINOUS STREETS



CITY OF ALLENTOWN, PA.
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

STANDARDS FOR BITUMINOUS AND CONCRETE STREET RESTORATION

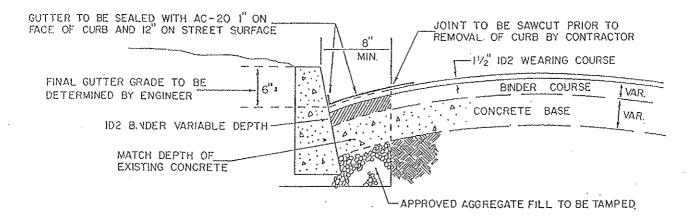
REV. 2/5/93 REV. 2/16/88 REV. 1/6/82 REV. 3/2/81

DATE DWN. BY
1/17/75 R. J. Z
SCALE CHK'D BY
NONE H. E. N.

DEPT. DIRECTOR NEAL E. KERN

PAVING ENG. HAROLD E. NEFF

STREET RESTORATION OF CONCRETE BASE/ BITUMINOUS SURFACE STREETS



CITY OF ALLENTOWN, PA. DEPT. OF PUBLIC WORKS

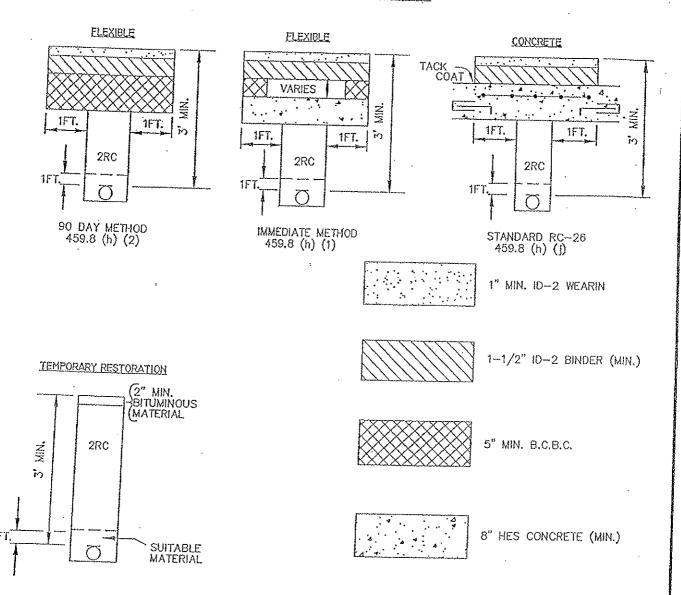
STANDARDS FOR

CONCRETE BASE
BITUMINOUS SURFACE
STREET RESTORATION

DATE 2/16/88 SCALE NONE DRW, BY: J.I. CHK, BY:

REV. 2/5/93

PAVEMENT RESTORATION METHODS

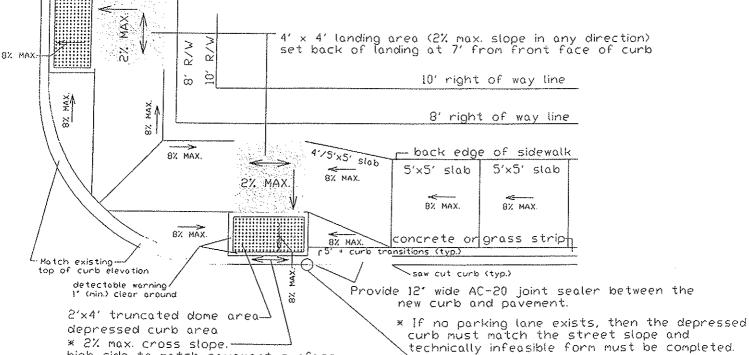


	Andrew Control of the									
	CITY OF ALLENTOWN, PA.									
	DEPT. OF PUBLIC WORKS									
	BUREAU OF ENGINEERING									
	STANDARDS FOR BITUMINOUS AND CONCRETE									
	STREET RESTORATION									
	DATE	SCALE	DWN. BY	DEPT. DIRECTOR NEAL E. KERN						
1	4/24/98 NONE NUM PAVING ENGINEER									
إ				HAROLD NEFF						

DOUBLE CURB CUT RAMP (USE WHEN NO OBSTRUCTIONS / INLET) N.T.S.

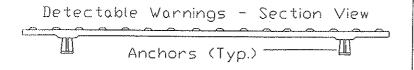
- 1. Detectable warnings: Contractor may use yellow EZ Set tile with anchors as supplied by Detectable Warning Systems, Inc. (Phone: 1-866-999-7452) or yellow ADA Tile with anchors as supplied by ADATile (Phone: 1-800-372-0519) or approved equal. Install in accordance with manufacturer's recommendations.
- 2. Dual Type I Ramps shall be the primary installation for each corner. Any other type of ramp such as a single diagonal Type 1. Parallel Type 2, or Blended Type 3 ramp shall only be installed with approval of the City Engineer.
- 3. If the ramp must be modified, (as approved by the City Engineer), from the dimensions and slopes noted, technically infeasible form must be completed.
- 4. Slopes: Contractor must verify that all proposed slopes will not exceed the specified values and shall use a calibrated smart level which provides a digital readout or other approved accurate method.
- 5. All specifications & dimensions for ramps detailed in PennDOT RC-67M standards shall be incorporated by reference into the City Standard details. Unique situations not addresed by City details shall be constructed in accordance with additional direction offered in the PennDOT details.
- All specifications & dimensions for City sidewalks, curbs, aprons, shall be met.
- 7. Ramp detectable warning area shall be 6' thickness concrete.

8. This detail supersedes D-14 through D-14D.



low side (depends on street slope direction) willresult in elevation difference between the depressed curb and the street surface for longitudinal street slopes in excess of 2%. Pavement wedge to be installed by City Streets Department if parking lane exists.

Where no grass strip exists, remove and replace curb to match sloped walk.



high side to match pavement surface.

SUCO

existing

Match

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Stab

* 2% max. cross slope.-

MAX.

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MAX

or L strip

Concrete grass

CITY OF ALLENTOWN DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING .

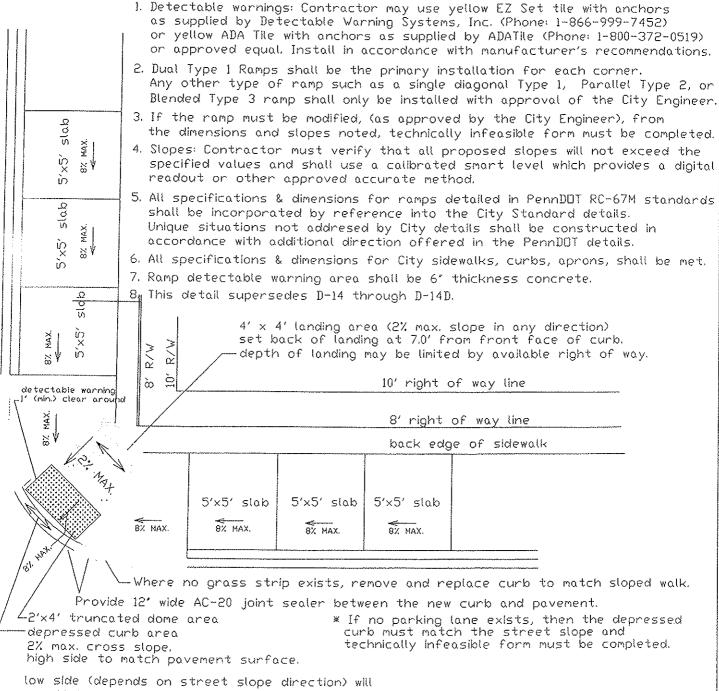
GUIDE LINE FOR HANDICAP RAMPS

DATE: DRAWN BY 2/19/09 M.S.G. NO SCALE

DEPT. DIRECTOR RICHARD YOUNG, P.E. ASSISTANT CITY ENGINEER MARK S. GEDSITS, P.E.

SINGLE CURB CUT RAMP

(USE WHEN OBSTRUCTIONS PREVENT USE OF DUAL PERPENDICULAR TYPE 1 RAMPS) N.T.S.



low side (depends on street slope direction) will result in elevation difference between the depressed curb and the street surface for longitudinal street slopes in excess of 2%.

Detectable Warnings - Section View

Anchors (Typ.)

CITY OF ALLENTOWN
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GUIDE LINE FOR HANDICAP RAMPS

DATE:
2/19/09 NO SCALE DRAWN BY:
2/19/09 NO SCALE M.S.G.

ASSISTANT CITY ENGINEER MARK S. GEDSITS, P.E.

SINGLE CURB CUT RAMP

(USE WHEN OBSTRUCTIONS PREVENT USE OF DUAL PERPENDICULAR TYPE 1 RAMPS) N.T.S.

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- 3. If the ramp must be modified, (as approved by the City Engineer), from the dimensions and slopes noted, technically infeasible form must be completed.
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- 5. All specifications & dimensions for ramps detailed in PennDOT RC-67M standards shall be incorporated by reference into the City Standard details. Unique situations not addresed by City details shall be constructed in accordance with additional direction offered in the PennDOT details.
- $\frac{1}{6}$ 6. All specifications & dimensions for City sidewalks, curbs, aprons, shall be met. $\stackrel{>}{>}$ 7. Ramp detectable warning area shall be 6' thickness concrete.
- $^{4}_{
 m O}$ 8. This detail supersedes D-14 through D-14D.

2'x5' truncated dome area

Provide equivalent 4' x4' landing area @ 2% slope max. all directions.

When grade change is adjacent to structure, either parge the exposed building or provide 4" wide curb cheek wall. method selection by the City Engineer for each case. cheek wall to extend 6' below new walk surface.

2'x2.5' truncated dome area back edge of sidewalk-3' right of way line (alley) 8% MAX. 8% MAX. 5'x2.5' slab

60' or less

slab

,×3,5,5

ഗ

slab

×5.5′ in

XAX

right

MAX.

detectable warning 1' (nin.) clear around (typical)

ŏ

Where no grass strip exists, remove and replace curb to match sloped walk.

'Provide 12" wide AC-20 joint sealer between the new curb and pavement.

Construct new 4' curb radius at 6'/ 3' R/W intersections Remove existing 6' radius.

depressed curb area 2% max, cross slope. high side to match pavement surface. * If no parking lane exists, then the depressed curb must match the street slope and technically infeasible form must be completed.

low side (depends on street slope direction) will result in elevation difference between the depressed curb and the street surface for longitudinal street slopes in excess of 2%.

Detectable Warnings - Section View Anchors (Typ.)

CITY OF ALLENTOWN DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

GUIDE LINE FOR HANDICAP RAMPS

DEPT. DIRECTOR DATE DRAWN BY RICHARD YOUNG, P.E. 2/19/09 NO SCALE M.S.G. ASSISTANT CITY ENGINEER MARK S. GEDSITS, P.E.



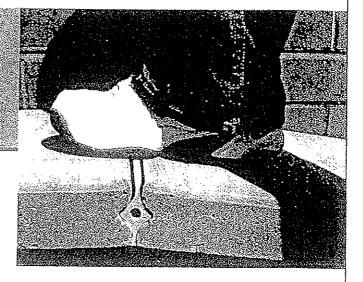
TripStop prevents trip hazards from uneven sidewalks

TripStop Creates Safer Sidewalks – Controls misaligned and displaced sidewalk slabs, preventing trip hazards greater than 1/4" as defined by the Americans with Disabilities Act.

TripStop Saves Costs – Contractors save because installation and finishing are faster with TripStop: it works both as an expansion and control joint. Cities save because future maintenance costs are avoided.

TripStop Preserves Mature Trees – TripStop moves dynamically with tree roots ensuring sidewalk integrity and protecting trees from the extreme step of root trimming.

TripStop Benefits the Environment – TripStop is an environmentally green product because it is recyclable and preserves urban trees. The service life of the sidewalk is extended, which means: less waste from construction activity, and fewer greenhouse gas emissions from service vehicles.



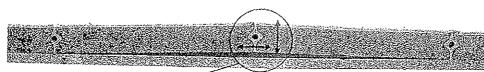
For purchase inquiries, contact:

Dave Murray - vp Sales & Marketing Access Products Inc.

Tel (888) 679-4022 dmurray@accesstile.com



TripStop is the long-term solution for city sidewalk maintenance. It is a preventative strategy whenever dangerous sidewalks need to be replaced; it minimizes tripping injuries and potential legal liability.



The TripStop joint allows sidewolk slabs to move uniformly with tree root growth, soil movement, and soil expansion without creating a trip hazard.

AMMAIS midstodnet

Contact Us - Distributors - Pennsylvania



David Murray Vice President Sales & Marketing Access Products Inc.

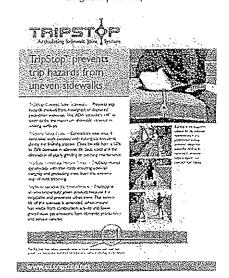
241 Main St., Suite 100, Buffalo, New York 14203

T: (888) 679-4022 C: (716) 474-2462 F: (877) 679-4022

E-mail: dmorray@accesstife.com



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Installation Guide

Download the TripStop Installation Instructions PDF English | En español

Tree roots cause damage to the sidewalks. The concrete can be replaced but the roots will still grow and cause more damage. With TripStop, it can be done. TripStop is a unique product that goes inbetween the sidewalk and the tree roots.

First the damaged concrete is removed, then the ground is prepared for the TripStop to be placed. Finally, fresh concrete is poured over. The result is a safer and better looking sidewalk. Install TripStop today!

TripStop must:

A. Be installed by an installer that has received certified installation training by Access Products inc

B. Be placed in the concrete at 90 degrees to the finished surface and must not be allowed to deviate by more than 5 degrees as illustrated.

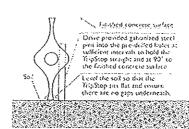
C. Run the full depth and width of the slab and must finish flush with the surface of the finished concrete. TripStopTM can have up to 1/4" or 6mm clearance at each end to allow for an edging tool to be passed without interruption. Where the TripStopTM is below the finished surface an edging tool must be passed either side to form an arris or sharp edge detail.

D. Never be higher than the surface of the finished sidewalk.

E. Be level with the sub-base using the bottom of TripStop™ as a guide so that there are no voids underneath

F. Be supported uniformly on both sides of TripStop™ when pouring concrete to keep it securely at a 90 degree angle to the sub-base.

Important Note: EmpStop¹⁰⁴ is recommended as a device to minimize concrete slab displacement. Access Products line does not warrant or guarantee that EmpStop will absolutely prevent slab displacement in all situations and outder all encumationes as its performance will may due to such though as given stimption to concrete slabs caused by non-stendard usage, exceptively reactive soil conditions, poor installation methodology and other factors.



The solution to aggressive trees causing displacement in concrete sidewalks

TripStop™ should be installed at intervals equivalent to the width of a sidewalk, for the entire area of the sidewalk that is located within the drip line.

Ideally the TripStopTM sections should be positioned directly above the most aggressive tree roots. Where the aggressive tree roots are not obvious, or are being removed, then TripStop section (A)

should be placed in the line with the center of the trunk of the tree. TripStop sections (B) and (C) protect at the drip line which is the most active area.

(D) and (E) are the optional [but recommended] finishing pieces that will allow the adjacent slabs to be linked in the future.

If, in the future, the adjacent slabs become displaced, simply remove them along with the connecting concrete strip, 6" or 15 cm wide (call-out E in image). This will

leave (D) and (E) in position and ready to connect to the new slabs. Pour away, again finishing with TripStop sections and connecting concrete strips at the extremities

Cutting TripStop^{FM}



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TripStopTM is made from an engineered polymer, and can be cut on-site using a sharp fine hand saw with 10 or more teeth to the inch. A hack saw with a coarse cut blade is also suitable.

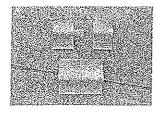
TripStopTM may be cut with a combination saw or drop saw or a docking saw provided that a fine tooth finishing blade is used. In this operation the TripStopTM must be laid flat and firmly against the fence of the saw. The underside of the profile facing the fence must be supported to the extent that the bottom edge facing the operator sits firmly on the table of the saw. The whole profile must be below the top of the fence at all times.

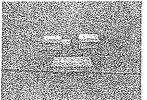


Caution. TripStopTM must never be cut with a chain saw, a hand held portable power saw or with a blade used for ripping. If in doubt use hand operated saws. Full personal protective equipment must be worn including leather gloves, eye and hearing protective gear. A full face mask is preferable to goggles. Pieces of TripStopTM less than 4" or 100 mm must never be cut using power equipment.

Joining TripStopTM

TripStopTM can be joined if needed by inserting a 3" x 5/8" or 75mm x 15.8mm length of suitably shaped and fitted wooden dowel into the center holes as shown below. Caution should be used when using power tools as TripStopTM is hard and should be supported properly with a fence used on the saw. It is acceptable to cut a short length from a length greater than 12" or 305mm but cutting from lengths shorter than 12" or 305mm should be avoided. TripStopTM is easily drilled if an additional hole is required to secure the joined section. Use a drill with a or 1/4" or 6mm spaded steel cutting bit.





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